

WE CLAIM:

1 1. A sculling apparatus for propelling a boat through a body of water, the boat having  
a generally vertical and rigid surface with a top edge along the boat's perimeter, the  
3 apparatus comprising

a vertical stock with an upper end and a lower end, the vertical stock centered  
5 about a vertical axis;

a mounting means supporting the vertical stock for radial movement about  
7 the vertical axis and providing removable attachment of the vertical stock to the rigid  
vertical surface of the boat;

9 an actuating means enabling a human to impart radial movement to the  
vertical stock about the vertical axis, the actuating means pivotably connected about a first  
11 horizontal axis to the upper end, wherein the actuating means may be pivoted from a first  
position for operational deployment to a second position generally adjacent to the vertical  
13 stock for compact storage when not operationally deployed; and

a propulsion means attached to the lower end, the propulsion means  
15 pivotable about a second horizontal axis, wherein the propulsion means may be pivoted  
from a third position for operational deployment to a fourth position generally adjacent to  
17 the vertical stock for compact storage when not operationally deployed.

1 2. The apparatus described in Claim 1, wherein the actuating means is a tiller and the  
first position comprises the extension of the tiller in a generally perpendicular orientation  
3 from the upper end of the vertical stock.

1 3. The apparatus described in Claim 1, wherein the mounting means comprises a  
clamp for removable attachment of the apparatus to the top edge of the vertical surface.

- 1     4.     The apparatus described in Claim 1, wherein the mounting means comprises a set  
3     of pintles spaced for removable insertion into a set of gudgeons fixed to the vertical  
surface.
- 1     5.     The apparatus described in Claim 1, wherein the vertical surface is the transom of  
the boat.
- 1     6.     The apparatus described in Claim 1, wherein the apparatus further comprises a  
displacement control means for selectively adjusting the depth of the lower end beneath  
3     a surface of the body of water when the apparatus is mounted on the boat.
- 1     7.     The apparatus described in Claim 6, wherein the displacement control means  
comprises a bushing receiving the vertical stock inserted therethrough, the bushing  
3     adjustably secured to the vertical stock and supported by the mounting means between a  
pair of stops on the mounting means, wherein the bushing, when the bushing is adjustably  
5     secured to the vertical stock, moves radially when the vertical stock moves radially but  
prevents the vertical stock from being raised or lowered with respect to the mounting  
7     means.
- 1     8.     The apparatus described in Claim 1, wherein the propulsion means is a fin vertically  
held by the vertical stock, the third position for operational deployment comprising the  
3     extension of the fin from the lower end in an orientation generally perpendicular to the  
vertical stock.
- 1     9.     The apparatus described in Claim 8, wherein the fin is comprised of a plurality of  
panels, each panel pivoting about the second horizontal axis.

1 10. The apparatus described in Claim 8, wherein the fin is comprised of an upper panel  
and a lower panel, each panel having a flexible end and a stiff end, the stiff ends pivoting  
3 about the second horizontal axis.

1 11. The apparatus described in Claim 10, wherein the fin is comprised of a resilient  
material.

1 12. The apparatus described in Claim 11, wherein the resilient material is selected from  
a group consisting of rubber, polyethylene, polypropylene, and wood.

1 13. The apparatus described in Claim 8, wherein the propulsion means is attached to  
the vertical stock by a bracket comprising two parallel plates extending from the vertical  
3 stock in a generally perpendicular orientation, the second horizontal axis passing through  
the two parallel plates so that the propulsion means is frictionally captured therebetween  
5 when pivotably rotated about the second horizontal axis.

1 14. The apparatus described in Claim 13, wherein the two parallel plates further  
comprise a step means.

1 15. The apparatus described in Claim 14, wherein the step means comprises a  
horizontal flange along the upper extent of each of the two parallel plates, the flanges  
3 extending in opposite directions to allow the propulsion means to unimpededly move from  
the third position to the fourth position therebetween.

1 16. A sculling apparatus for propelling a boat through a body of water, the boat having  
a generally vertical surface with a top edge, the apparatus comprising  
3 a vertical stock with an upper end and a lower end, the vertical stock centered  
about a vertical axis;

5           a tiller pivotably connected about a first horizontal axis to the upper end, the  
tiller pivotable from a first position for operational deployment to a second position generally  
7   adjacent to the vertical stock for compact storage when not operationally deployed, the first  
position orienting the tiller in a horizontal plane generally perpendicular to the vertical shaft  
9   so that radial tiller movement imparts radial movement to the vertical stock about the  
vertical axis;

11           a flexible fin captured between two parallel plates fixedly attached to the lower  
end and extending in a generally perpendicularly from the lower end, the fin pivotably  
13   attached about a second horizontal axis passing through the plates so that the plates  
frictionally capture the fin therebetween, wherein the fin may be pivoted from a third  
15   position for operational deployment to a fourth position generally adjacent to the vertical  
stock for compact storage when not operationally deployed; and

17           a mounting assembly supporting the vertical stock, the mounting assembly  
comprising a clamp for removably attaching the vertical stock to an upper edge of a rigid  
19   surface of the boat, the clamp permitting radial movement of the vertical stock about the  
vertical axis, the mounting assembly further comprising a bushing through which the  
21   vertical stock passes, the bushing adjustably attached to the vertical stock to allow selective  
displacement of the lower end of the vertical stock.